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MONTANA FOREST PRODUCTS BULLETIN

Department of State Lands, Division of Forestry
2705 Spurgin Road, Missoula, Montana 59801
Ph: (406) 728-4300

GARY G. BROWN, State Forester

PAUL MOORE, Editor

VOL. 10, NO. 2 JULY - 1985

This bulletin is mailed primarily to individuals engaged in the Forest Products industry in Montana. In addition, it is mailed to county agents, lumber brokers, wholesalers, dealers of sawmill and logging equipment, interested technicians, educators and Montana Tree Farmers, as well as the Departments of Forestry in all states.

The purpose of this newsletter is to communicate information regarding the properties and uses of wood products, promote efficiency in the utilization of wood from the stump to the end product, and to serve as a communication link between the members of the forest products industry.

All persons receiving this newsletter are asked to examine their mailing address and advise this office of any corrections needed for proper mailing.

MONTANA'S OUTPUT UP; EMPLOYMENT AND WAGES DOWN

Output of Montana's wood products plants in the first quarter of 1985 was up slightly from 1984 averages, but production employment and wages were at the lowest quarterly level in two years, according to a University of Montana research office.

The drop in employment probably can be attributed to increasing mechanization in the industry as well as a change in the types of products produced and the size of logs used.

Lumber production during the quarter was reported at 320 million board feet, 30 million feet higher than the previous quarter. Plywood production increased slightly from fourth quarter 1984 to 157 million square feet.

An average of 4,417 production workers were on the job during first quarter 1985, compared to 4,618 for 1984. Total wages paid to production workers were $26,510,000 in first quarter 1985, compared to the $27,935,000 for 1984.

The quarterly figures on the Montana industry were released by the UM Bureau of Business and Economic Research. The information is gathered through a survey done in cooperation with the Montana Wood Products Association.

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NATIONAL FOREST PRODUCTS ASSOCIATION TO SEEK ACTION ON U.S.-CANADIAN WOOD PRODUCTS TRADE IMBALANCE

The Board of Governors of the National Forest Products Association has authorized the Association to take decisive steps to help resolve major United States-Canadian trade imbalances that threaten the livelihood of U.S. producers of solid wood products.

U.S. producers historically have been able to compete successfully in world markets in most product lines. However, in the last few years, the industry has lost overseas markets and is losing large percentages of its domestic markets.

Since 1975 imports of Canadian softwood lumber into the U.S. have surged from 19 per cent of total U.S. consumption to 31 per cent in 1984.

The ability of the U.S. industry to compete in world and domestic markets has been undercut by "allegedly unfair trade and domestic practices in some countries, and changes in competitive relationships." The Board acknowledged that a major factor has also been "the loss of U.S. control of its fiscal and monetary policies."

The plan calls for NFPA to continue to expand existing programs and initiate new ones, "to improve domestic and international markets for all North American wood producers." In addition, the plan directs NFPA to "call upon the U.S. government to work with governments world wide to identify and to correct distortions in exchange rates."

As circumstances evolve, the Board may further direct NFPA to seek the passage of legislation to assure fair trade and initiate action to seek administrative relief through agencies of the federal government.

STATE TIMBER SALES

Eightmile Timber Sale - Sealed bids will be received by the Administrator, Division of Forestry, Department of State Lands, 2705 Spurgin Road, Missoula, Montana, up to 3:00 p.m., July 8, 1985 for the merchantable sawtimber designated for cutting in Section 36, T11N-R19W estimated to contain 290 MBF ponderosa pine, 205 MBF Douglas-fir, 1 MBF white fir, and 12 MBF dry sawlogs for a total of 508 MBF, more or less. Full particulars regarding the terms of the contract regulations governing the sale and bid forms may be obtained from the Department of State Lands, Division of Forestry in Missoula, or the Southwestern Land Office, 1401 27th Avenue, Missoula, Montana.

Deep Creek Timber Sale - Sealed bids will be received by the Department of State Lands, Division of Forestry, in Missoula, Montana, up to 2:00 p.m., July 8, 1985, for the merchantable sawtimber designated for cutting in Lots 2, 3, 4, NE¼SW¼,E½ Section 16, T23N-R30W PMM, estimated to contain 6 MBF western white pine, 389 MBF ponderosa pine, 116 MBF western Larch, 793 MBF Douglas-fir, 2 MBF spruce, 320 MBF lodgepole pine, 1 MBF cedar, 209 MBF grand fir, 19 MBF hemlock and 18 MBF dead (all species), more or less, for a total estimated volume of 1,873 MBF. Full particulars regarding the terms of the contract regulations governing the sale and bid forms may be obtained from the Division of Forestry Office in Missoula, the Northwestern Land Office in Kalispell or the Plains Unit Office in Plains, Montana.

Roman Creek Timber Sale - Sealed bids will be received by the Administrator, Division of Forestry, Department of State Lands, 2705 Spurgin Road, Missoula, Montana up to 2:00 p.m., August 1, 1985 for the merchantable sawtimber designated for cutting in Section 16, T15N-R21W estimated to contain 1,107 MBF ponderosa pine, 2 MBF western larch, 523 MBF Douglas-fir, 2 MBF lodgepole pine, and 4 MBF dry sawlogs, more or less, for a total estimated volume of 1,638 MBF.

Full particulars regarding the terms of the contract regulations governing the sale and bid forms may be obtained from the Department of State Lands, Division of Forestry, or the Southwestern Land Office, 1401 27th Avenue, Misoula, Montana 59801.

FPRS IS SEEKING NEW MEMBERS

If your livelihood depends either directly or indirectly on the forest products industry you should consider becoming a member of the Forest Products Research Society.

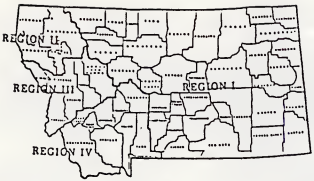
The Forest Products Research Society is an international, nonprofit educational association founded in 1947 to provide a common forum for all segments of the forest products industry--from standing tree to finished product. FPRS encourages the development and application of new technology and provides a link between industry and research through the collection and dissemination of the latest technical information.

FPRS represents management, production, marketing, education, engineering, sales, supply and consulting interests as well as research and development people.

If you would like to join this dynamic organization or know of someone who might, please contact: Forest Products Research Society, 2801 Marshall Court, Madison, WI 53705 608-231-1361, or the Marketing Bulletin editor.

TOTAL-TREE MULTIPRODUCT CRUISE PROGRAM

The Total-Tree Multiproduct Cruise Program is a user-friendly, interactive computer program that uses standard tree-cruise data to estimate the weight and volume of the total tree, saw-logs, plylogs, chipping logs, pulpwood, crown firewood, and logging residue in timber stands. Input is cumulative cruise data for tree counts by d.b.h. alone or by d.b.h. class and total height, height to 4-inch top, or saw-log merchantable height for individual species or species groups. Output is in tables: (1) board-foot volume by d.b.h., (2) total-tree and tree-component biomass by d.b.h. class, (3) a summary table, and (4) projected annual growth by stand component and species. Output can be expressed in tons, cords, cunits, or board feet per acre, or by cutting units and tract totals. The program is written in FORTRAN V for a mainframe and in PASCAL for the IBM-PC microcomputer. This manual describes the program and how to enter cruise data to obtain desired output for both the mainframe and microcomputer versions. This program can be obtained by contacting the Southeastern Forest Experiment Station, 200 Weaver Blvd., Asheville, NC 28804. Request Technical Report SE-31.



MONTANA LOG PRICE REPORT

JULY - AUGUST 1985

The following information is a summary breakdown of recent past average prices reportedly paid by primary wood processors for logs of the various species listed. These prices are not necessarily a reflection of current market prices. Fair market prices may vary a great deal based on log size, length, quality, contract size and terms, and a number of other factors. All information reported is recent average price per thousand board feet (MBF), Scribner Decimal rule delivered to the mill site, unless otherwise noted.

Prices provided for this report by individual firms are treateo as confidential disclosure of the firm's operations. Any requests for mill specific data which have been provided for the log report will be denied.

SAWLOGS Scribner Dec C MBF	REGION I	*	REGION II	*	REGION III	*	REGION IV	*
Species	Avg. Low High		Avg. Low High		Avg. Low High		Avg. Low High	
Ponderosa pine	$110/$110/$ 110	F/P	$200 /$200 /$200	F			$150 /$145/$155	P
(Yellow)			$202 /$180 /$225	G/P	$200 /$180/$225	G/F		
(Bull)			$144 /$140 /$150	G/P	$138 /$125/$150	G/F		
Lodgepole pine			$139 /$130 /$150	G/P	$150 /$150/$150	G/F	$160 /$155/$165	G/P
Douglas-fir			$138 /$130 /$150	F/P	$152 /$140/$165	F/P	$160 /$155/$165	G/P
Western larch			$144 /$130 /$165	F/P	$152 /$140/$165	F/P		
Englemann spruce			$152 /$135 /$165	G/P	$165 /$160/$170	G/F	$160 /$155/$165	G/P
Subalpine fir			$136 /$130 /$145	G/P	$147 /$145/$150	F	$160 /$155/$165	G/P
Grand fir			$138 /$130 /$145	G/P	$147 /$145/$150	F		
Western red cedar			$189 /$150 /$225	G/P				
Hemlock			$137 /$130 /$145	F/P				
White pine			$203 /$180 /$225	G/P				
Cottonwood								

VENEER LOGS Scribner Dec C MBF	STATEWIDE REPORT			
Species	Avg.	Low	High	Demand Next 60 Days
Douglasfir	$165 /	$160 /	$170	F/P
Ponderosa pine (Bull)	$150 /	$150 /	$150	F
Western Larch	$165 /	$160 /	$170	F/P

* G = Good
F = Fair
P = Poor

WOOD FOUNDATION SYSTEM RENAMED

A trademark has been issued for the new name, "Permanent Wood Foundation," to replace "All-Weather Wood Foundation," according to spokesmen from the Wood Products Promotion Council.

With more widespread use of the wood foundation system, WPPC officials sought a name which would more easily explain its function.

The Permanent Wood Foundation (PWF) is an engineered system which uses pressure-preservative treated plywood and lumber instead of concrete or masonry for foundation construction. Foundation walls are framed much as a regular wall panel is framed, using nominal two-inch lumber and American Plywood Association trademarked plywood sheathing, all stamped for foundation use by the American Wood Preservers Bureau.

Advantages of the wood system include ease and speed of construction; opportunities for instant prefabrication of panels, ease of insulation and interior finishing and extension of the building season by eliminating the need for curing concrete.

For more information about the Permanent Wood Foundation, contact any of the members of the Wood Products Promotion Council, including the American Plywood Association, the American Wood Council, the National Forest Products Association, the Southern Wood Products Association and the Western Wood Products Association.

WOOD PALLET DESIGN SYSTEM COMPUTERIZED

Wood pallets, the platforms on which cartons and goods are stacked for transportation, consume more lumber in this country than any other product -- 18 per cent of all lumber produced in the United States. In 1983, more than 250 million pallets were manufactured.

Until now, pallet design has been a matter of trial and error, which has proved wasteful and costly. But now, users and manufacturers of pallets can obtain computer-based design analysis and software based on sound engineering principles. This is the first program of its kind, and is the result of four years of joint effort between the National Wooden Pallet and Container Association, research scientists from the U.S. Department of Agriculture and several research faculty at the William H. Sardo, Jr. Pallet and Container Research Laboratory at Virginia Tech.

Two types of access are involved in the design system. The lab at VPI&SU will analyze designs with information provided via telephone by the client, who will then receive a printout of the analysis to be used by a manufacturer (call 703-961-7134). Clients can also lease software, compatible with Apple II + s and IBM PCs, to implement their own pallet design; contact The National Wooden Pallet and Container Association, 1619 Massachusetts Ave., Washington, DC 20036, or call 202-667-3670.

FOR SALE: FOREST PRODUCTS

Micro thin wooden business cards, same dimensions as standard business cards but made of double thin veneers! Ideal for anyone in the lumber or woodworking industries or associated in any way with wood, including machinery dealers, etc. Very reasonably priced at $89.00 per 500 and $125.00 per 1,000. Additional charges for specialty printing (logos, colored ink, etc.). Specify item #CF-235. Falcon Rule Company, 45 Hutchins Street, Auburn, Maine 04210. Phone 207-784-4041.

WANTED

LOGGERS: Kalispell Pole & Timber is looking for good quality green Lodgepole Pine poles, especially in the 35' and 40' length (with a 6" diameter top). We will send a representative and specification sheet out to interested parties. For more information, contact Fred Behanna at 406-755-5500 or Steve Higgins at 406-862-6375.

8', 10', and 12' tree stakes, peeled or unpeeled, unlimited quantity. Bouma Post Yards, Box A, Choteau, MT 59422. Phone 406-466-2140.

PUBLICATIONS AVAILABLE

USDA, Forest Service Marketing Bulletin 74, March 1985. Titled "A Record-Keeping System for Small Sawmills." Author, George R. Niskala. Contact Ken Kilborn, U.S. Forest Service, P.O. Box 7669, Missoula, MT 59807.

"Balanced Saw Performance." USDA, Forest Service, Forest Products Utilization, Technical Report No. 12. Available from USDA Forest Service, State & Private Forestry, Division of Cooperative Forestry, P.O. Box 5130, Madison, WI 53705.

"Below-Cost Timber Sales: Analysis of a Forest Policy Issue" by Ervin G. Schuster and J. Greg Jones. USDA, Forest Service General Technical Report INT-183, available from Intermountain Research Station, Ogden, UT 84401.

"An Updated Cost-Record System for a Logging Business." Director, Northeastern Area, USDA Forest Service, 370 Reed Road, Broomall, Pennsylvania 19008.

"Factors Determining Lumber Recovery In Sawmilling." Seven factors that have long been known to exert a profound influence on lumber yield have been identified and evaluated in an exceptionally concise and lucid eight-page paper from FPL-Madison. The accounting begins with the basics of log diameter, length, taper, and quality. It then moves into kerf width; discusses sawing variations and allowances for rough green lumber; and explains the effects of the dimensions of lumber to be sawn. Ask for: "Factors Determining Lumber Recovery in Sawmilling:. Forest Products Laboratory, P.O. Box 5130, Madison, WI 53705 608-257-2211.

WOOD FRAME HOUSE CONSTRUCTION, U.S. Department of Agriculture, Forest Service Handbook, No. 73. This publication contains 223 pages of sound principles for wood frame house construction and suggestions for selecting suitable materials. To obtain this publication, contact the Marketing Bulletin Editor.

FOR SALE: SERVICES & EQUIPMENT

Logging Equipment and Parts For Sale--$20,000-$30,000 Bracket: 1) '78 Tree Farmer C7D Grapple, Encl. Cab avail., 2) '79 Franklin 170 PSL Wheel Loader Shear, 3) '79 380 TJAK Grapple, 4) '78 TJAK 380 Cable, 5) '79 Clark 666C Cable, 6) '79 Timberjack 230DForwarder; $15,000-$20,000 Bracket: 7) '74 Tree Farmer C6D Cable, 8) '73 C6D Cable, 9) '78 Melroe Bobcat Morbark, 10) '75 JD 440B, 11) '73 Franklin 132XL PAB Forwarder, 12) '74 Freightliner, 3406 Cat Rebuilt; $10,000-$15,000 Bracket: 13) Prentice "H" self-propelled loader, 14) Athey C5 Forwarder Prentice, 15) '70 John Deere 440A Cable, 16) '74 Timberjack 225D Cable, 17) Husky 141 Tree Length Loader on 6x6 Army truck, 18) '76 Case 580B TLB, Encl. Cab, 19) Load King 3 Axle Belly Dump; $10,000-Less Bracket: 20) JD 440A Cable, 21) Dunham Athey S97 Cable, 22) Athey C5 Cable Cat Dsl., 23) Many used parts, axles, wheels, tires, shears, grapples, blades, etc., 24) '79 Drott 40 Hydraulic Excav. 471 GM, 20" Drott shear, POR. Midwest Tractor Inc., Hwy. 10, 4 miles West, Big Lake, MN 55309. 612-263-3777 or Ron 612-295-5037 or Clarence 612-295-5000.

Completely Factory Reconditioned PORTABLE PRECISION SAWMILL SYSTEM. This system is capable of cutting logs 4-12" in diameter up to 16' long. The single pass system will manufacture house logs, boards, dimension, pallet material in a single pass. Demonstration of unit available in Superior, MT (Contact PSS Inc., Box 194, Superior, MT 59872, 406-822-4378.

1974 Peterbilt, 350-13 spd., Eaton rear ends, motor overhauled, 50,000 mi., 79" Prentice 110 self-loader w/hop on, no trailer, no bunks, $24,000.00. Petersen Trucking, 3909 South 7th West, Missoula, MT 59801, 406-543-4836 or 406-543-7932.

High Speed Tree Stake Dowel Mill. Can peel 2" to 3½" stakes at up to 150 ft. per minute.
1 HP to 125 HP used 3^{0} electric motors and starters at a fraction of new price. Approx. 10 thousand pounds of Reichold Chemical Company Penta in 50# bags at $1.75 per pound. Bouma Post Yards, Box A, Choteau, MT 59422. 406-466-2140.

1 DD Cletrack with Isaacson hydraulic dozer and Ford motor.
1 Model K, A.C. skidding tractor with belly pan, radiator guard and overhead shield.
1 20 HP McCormick Deering power unit mounted on factory-built skid frame. Reasonable best offer. Ask for Herk. Herks West Yellowstone Lumber Co., 317 Highway Ave., Box 246, West Yellowstone, MT 59758. Phone 406-646-7807 or 406-646-7809.

1 25KS Phelps Blower complete with 3/8" wheel, 1/4" band, 1 7/16" bearings (RAK) Belt Guard for V-Drive Piggyback Motor Base, 10 HP 3/60/230-460 volt 1800 ODP Motor - New in 1981.
Hanchett knife grinder with 32" acme bar, separate water coolant pump motor. Shop #1155, size 32", type G.K. Like new, $3,850.00. The Eberhardt Co., Inc. (Dennis Eberhardt), P.O. Box 160, Buffalo, WY 82834. Phone 307-684-9676.

TECHNICAL TIMBER MEASURING SERVICES: Specializing in Check Scaling and Scaling Trespass Volume Determination. Scaler training and cruising experience, 13 years production scaling, 15 years check scaling, also certified by the state of Idaho. Bill Walker, 1802 S. 13th St. W., Missoula, MT 59801, Phone 406-543-4772.

If you wish to advertise a forest product or a piece of wood-processing machinery in this bulletin complete the form below. No charge is made for this service. If you wish to rerun an item, a written request must be submitted before the next issue.

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